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~~2. (Amended) A light pipe according to Claim 1 wherein  
said patterns comprise parallel elongated surface formations,  
the height and width of which differ from the environment,~~

~~said patterns comprise a first uniform area, in which a  
characteristic parameter has a first value;~~

~~said patterns comprise a second uniform area, in which said  
characteristic parameter has a second value, which differs  
from said first value;~~

~~and the surface formations in said first area differ from the  
surface formations in said second area with regard to said  
characteristic parameter, and said characteristic parameter is  
at least one of the following: orientation of the pattern,  
distance between the pattern and the light source, period  
length, fill factor, fill ratio, height, characteristic degree  
of modification, angle of deflection between the elongated  
surface formations of the pattern.~~

3. (Amended) A light pipe according to Claim 2,  
wherein the value of at least one characteristic parameter  
depends on a value defined in relation to the light source.

4. (Amended) A light pipe according to Claim 2,  
wherein the elongated patterns of the surface formations  
change gradually from first shapes at a first end of the  
pattern at a light source side to other shapes at an opposite  
side of said pattern at another end in a manner depending on a  
quantity, which is dependent on a relation to the light

source.

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5. (Amended) A light pipe according to Claim 2, wherein a local plane in the area of a pattern, which plane is determined by peaks of the surface formations of the patterns, is at an angle in relation to a plane determined by the first surface of the light pipe.

6. (Amended) A light source according to Claim 2, wherein at least one of the patterns has a fill ratio, and the fill ratio increases when moving from the end at the side of the light source to the opposite end of the light pipe.

7. (Amended) A light source according to Claim 1, wherein distribution of the patterns depends on a quantity, which is dependent on a relation to the light source.

8. (Amended) A light pipe according to Claim 1, wherein said first surface is on a side of the light pipe, which is closest to the display.

9. (Amended) A light pipe according to Claim 1, wherein elongated shapes of surface formations in the patterns are repeated in a uniform area of the surface of the light pipe.

10. (Amended) A light source according to Claim 1, wherein at least one of the patterns has a fill ratio, the fill ratio increases along a central line of the light pipe from an end at the side of the light source to an opposite end of the light pipe, and the pattern has elongated formations,

which are perpendicular to the central line.

11. (Amended) A light source according to Claim 1, wherein the pattern has a fill ratio between 0.2 and 0.5.

12. (Amended) A light pipe according to Claim 1, wherein at least one of the patterns has a fill ratio, the fill ratio increases as measured along a straight line when moving away from the light source, and the pattern has elongated surface formations, which are bowed, whereby the midpoint defined by the dimensions of the light source is located essentially at a focal point characterizing the bow.

13. (Amended) A light pipe according to Claim 2, wherein at least one pattern has a diffractive structure with a period length between 1.5 and 3.5  $\mu\text{m}$ .

14. (Amended) A light pipe according to Claim 1, wherein depth and/or height of elongated surface formations of the surface is between 0.3 and 0.7  $\mu\text{m}$ .

17. (Amended) A light pipe arrangement comprising:

a light source,  
a display,  
a light pipe, and  
a base plate of the light pipe,

wherein

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the light pipe is limited by a first surface, said surface comprises patterns, said patterns have diffractive properties for coupling the light out from the light pipe, said patterns comprise uniform, mutually different areas with a distribution on said first surface.

18. A light pipe arrangement according to Claim 17, having three light sources.

Please add new claims 19 - 22 as follows: ✓

A2  
19. (New) A light pipe according to claim 1 wherein the diffractive patterns have a geometry which is varied with position on said light pipe so that brightness of light is constant with position along said light pipe.

20. (New) A light pipe according to claim 1, wherein the diffractive patterns have a fill factor which is varied with position on said light pipe so that brightness of light is constant with position along said light pipe.

21. (New) A light pipe arrangement according to claim 17, wherein the diffractive patterns have a geometry which is varied with position on said light pipe so that brightness of light is constant with position along said light pipe.

22. (New) A light pipe arrangement according to claim 17, wherein the diffractive patterns have a fill factor which is varied with position on said light pipe so that brightness of light is constant with position along said light pipe.